

Product highlights

- A high-performance XML parser
- A robust container for hosting C++
- Web services and servlet containers
- Automatic generation of C++
- Server skeletons built to run inside the HydraExpress container
- Automatic generation of web service clients from WSDL
- Easy-to-use XML-to-C++ data binding utility

HYDRAEXPRESS

Create high-performance C++ SOA applications

When performance and reliability are critical to application success, HydraExpress helps you rapidly respond to changing business needs and capitalize on existing business applications in a service-oriented architecture (SOA) environment.

The flexibility challenge

An efficient IT infrastructure is critical to maintaining your competitive advantage. To keep this advantage, you must quickly adapt core business applications to respond to customer needs and market changes. This poses a complex challenge: how can you deliver applications that are powerful and reliable enough to differentiate you from your competitors, yet flexible enough to evolve with rapidly changing business requirements?

The answer for many companies is SOA. This approach entails creating and assembling discrete business functionality known as “services” into new, flexible composite applications. Sounds promising, right? The question is: can you commit the significant time, funds, and resources required to rewrite your current IT infrastructure to reap the benefits of service-oriented design? With HydraExpress, you don’t have to.

The HydraExpress solution

HydraExpress provides a framework for developing and hosting high-performance C++ web services, including advanced XML, SOAP, and WSDL. HydraExpress provides productivity tools for transforming new and existing C++ applications for use in service-oriented architectures.

HydraExpress helps leverage crucial business logic locked within existing applications allowing you to create SOA applications that are flexible and interoperable—yet maintain the reliability and performance advantages of your core business logic.

Benefits

Application quality

The reliable technology of HydraExpress delivers proven scalability and performance, freeing you to focus on your business logic rather than the infrastructure of your service-oriented application.

Efficient evolution

The modular design of HydraExpress enables you to quickly adapt the application as your business needs change, allowing you to modify only the areas that require adjustment.

Faster time-to-market

HydraExpress improves developer productivity so you can deliver effective, service-oriented applications on schedule and on budget.

Cost savings

With HydraExpress, you can achieve the flexibility of service-oriented applications while leveraging your existing investments where it makes sense, drastically reducing the need to rewrite, test, and optimize proven application logic.



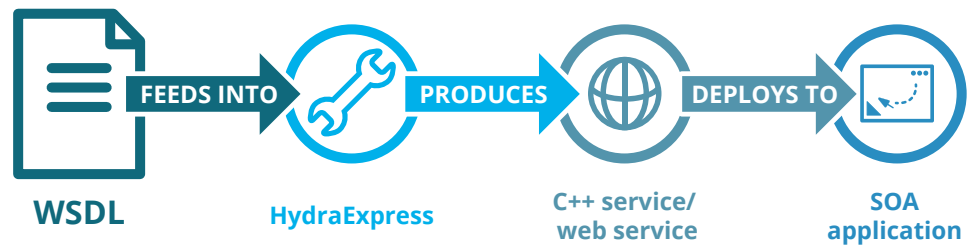
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How does HydraExpress work?



Message formats in HydraExpress are based on the Simple Object Access Protocol (SOAP), a widely accepted, easy-to-use mechanism for transferring messages over a network.

Developers supply a standard Web Services Description Language (WSDL) file and HydraExpress automatically generates a skeleton service that handles the details of protocols, standards, and networking to ensure interoperability. Developers then drop in new or existing C++ business logic to create a ready-to-deploy service that can be used in many types of SOA applications.

HydraExpress allows developers to incorporate new standards or integration requirements without disrupting the rest of the application; the business logic is completely isolated from the service infrastructure. This functionality enables developers to regenerate the skeleton service without changing the custom business logic.